

CURRENT-MODE RECEIVING DEVICE FOR DISPLAY SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A current-mode data receiving device with sufficient fidelity for a display system. The receiving device includes: a current mirror, where an input current signal and a feedback current signal is received at a first terminal thereof and an output current signal with a current magnitude proportional to (e.g., equal to) the sum of the magnitudes of the input current signal and of the feedback current
10 signal is output through a second terminal thereof; and a feedback unit that uses the magnitude of the output current signal as feedback to determined the magnitude and direction of the feedback current to the first terminal, and causes a decreases in the magnitude of the output current signal by a predetermined amount if the output current signal is at a high level, and increases the current
15 magnitude of the output current signal by the predetermined amount if the magnitude of the output current signal is at a low level. Therefore, it is possible to correctly receive even a high-frequency signal and an irregular signal.